

Research Article

**Role Of Distance Learning In Advancing The Qualification Of Secondary Medical Personnel**

**V.N. Turakulov,**

Center For The Development Of Professional Qualifications Of Medical Workers, Tashkent, Uzbekistan

**N.A. Narmukhamedova**

Center For The Development Of Professional Qualifications Of Medical Workers, Tashkent, Uzbekistan

**Abstract:**

The Article Deals With The Role Of Distance Learning In The Health Care System, In Particular, The Retraining And Improvement Of Primary Care Nurses. The Experiment Was Carried Out Among The Groups Of The Navoi Branch Of The Republican Center For Training And Advanced Training Of Nurses And Pharmacists In The Direction Of "Strengthening The Health Of The Population And Providing Patronage Services."

**Key Words:** Distance Learning, Patronage Nurse, Survey Of Nurses, Training And Qualifications Of An Average Medical Worker.

**Introduction**

Distance Learning Has Long Been Practiced In Developed Countries. 81% Of US Universities Offer At Least One Distance Learning Course During Their Course. 67% Of US Educational Institutions Consider Distance Learning A Strategically Important Area Of Pre-Graduate And Postgraduate Education [1]. Observations And Polls Show That The Effectiveness Of A Nurse's Work Depends On Her Education, Level Of Knowledge And Skills, The Ability To Communicate With Others And The Ability To Work On Herself [2]. Therefore, It Is Very Important To Create Conditions And Opportunities For Continuing Education Of Nurses, Especially Those Working In Primary Health Care Institutions [3]. Studies Have Shown That In Order For A Medical Worker To Develop As A Full-Fledged And Qualified Specialist, It Is Necessary To Pay Sufficient Attention To The Issues Of Continuing Professional Education [4].

According To The Results Of Our Survey, The Irrational Distribution Of Various Responsibilities During The Nurse's Working Day Leads To A Decrease In The Quality Of Work, While Nurses Have Practically No Free Time For Training In The Workplace, Independent Work On Themselves. Consequently, It Is Necessary To Introduce New Effective Methods For Improving The Qualifications Of Medical Workers - The Introduction Of Online Training And The Use Of Distance Forms Of Vocational Education Without Interrupting Work.

To This End, Distance Learning Of Patronage Nurses Working With The Population Was Organized For Paramedical Workers Of Primary Health Care Institutions In Navoi Region.

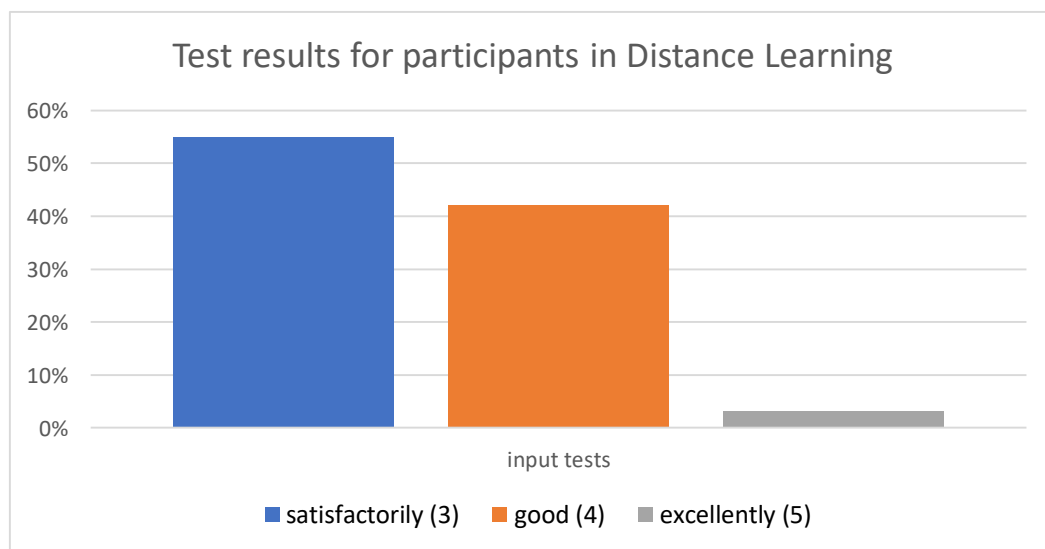
**Materials And Methods.** A Distance Online Course Was Developed In The Direction Of "Strengthening The Health Of The Population Through The Provision Of An Effective Patronage Service." Previously, An Electronic Survey Of Them Was Carried Out Using A Questionnaire And Knowledge Testing, In Which 1070 Respondents Took Part. To Participate In Distance Learning, It Was

Necessary To Fulfill The Following Conditions: All Students Must Have One Of The Following Gadgets (Smartphone, Tablet, Computer), During Classes, Have Access To The Internet, Connect To The Telegram Social Network, Be Able To Participate In Online Training And Be Being Active During Class Discussions.

Those Wishing To Undergo Online Training Were United In Groups Of 30 People And A Curator (Group Leader) Was Assigned To Them. All Participants Underwent Online Testing, Passed Tests In A Special Platform [www.online.hamshiramalaka.uz](http://www.online.hamshiramalaka.uz). The Online Platform Evaluated The Test Results, After Which Training Began According To A Specially Prepared Curriculum. On The Website [www.online.hamshiramalaka.uz](http://www.online.hamshiramalaka.uz). The Participants Watched Video Lessons, Lectures And Presentations In The Class. In The Distance Learning Platform (DL), Practical And Theoretical Material Was Attached To Each Topic, Containing Videos, Presentations, Lecture Texts And A Set Of Tests On This Topic. Participants In The Training Could Use All The Materials Of The Lesson Without Restriction. The Curator, In Turn, Through Telegram, Organized Communication Between Students And Announced The Topic Of The Lesson. In The Next Lesson, He First Asked Questions About The Material Covered And Assessed The Knowledge Of The Participants. At The End Of The Course, All Participants Took An Exam (Online Test) Based On The Materials They Passed. The Results Of Preliminary Testing And Testing After Training Were Compared.

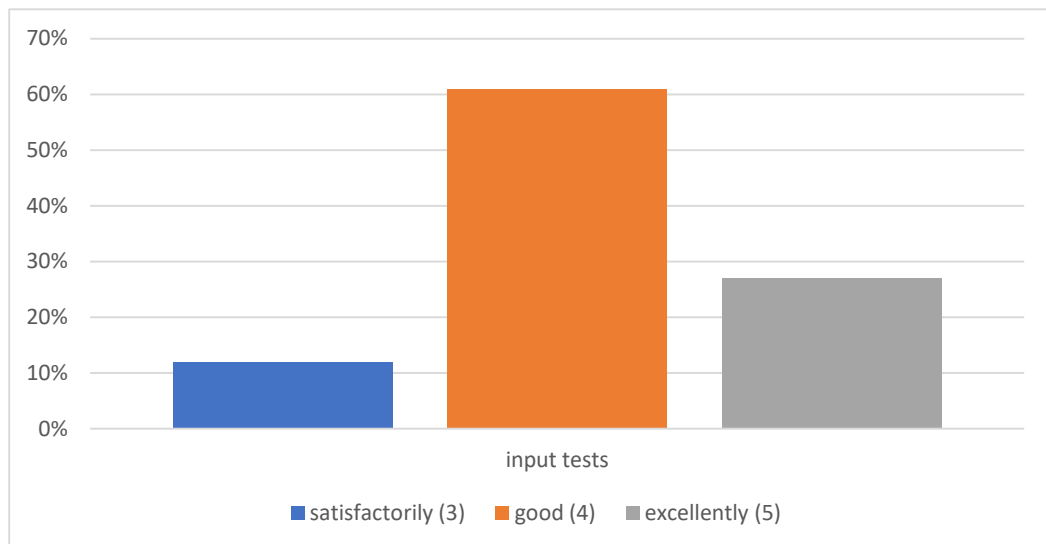
**Results And Discussion.** As Shown By The Results Of The Training And Testing, The Level Of Knowledge And Skills Of Nurses Who Have Completed Preschool Education Has Significantly Increased. They Began To Use The Work Schedule Rationally, Which Was Discussed Many Times During Classes. They Have Increased Their Awareness Of Core Activities That Require Time-consuming And Reduced Time For Secondary Work, Which Allowed Them To Use Their Working Time Efficiently. For Example, Nurses Have Begun To Devote More Time To Communicating With Patients.

As Shown By The Results Of Preliminary Testing, The Largest Number Of Participants Answered “Satisfactory” - 55%, “Good” - 42%, And Only 3% As “Excellent” (Fig. 1).



**Fig. 1. Pre-Test Results**

After Distance Learning, 27% Of The Participants Already Answered “Excellent”, 61% “Good” And 12% “Satisfactory” (Fig. 2).



**Fig. 2. Test Results After Training**

Thus, The Traditional Education System Requires Separation From The Main Job, From The Family, Coming To A Postgraduate Education Institution And Additional Material Costs. Distance Learning Is Delivered In The Workplace, With Most Health Workers Being Trained, And Creating Conditions For Training Nurses From Remote Areas. According To The Literature In Developed Countries, This Teaching Method Has Already Justified Itself, While Reducing The Time And Money Spent By Trainees And Organizers, With The Possibility Of Increasing The Number Of Cycles And The Number Of Participants [5].

### **Conclusions.**

1. It Is Advisable To Introduce Distance Learning Into The Vocational Education System, As The Most Effective Method In Postgraduate Professional Development Of Nurses. This Method Is Widely Used Abroad And Has Proven Its Value.
2. Training Is Carried Out Without Interruption From The Main Job, Family, Without Material Costs.
3. Several Rounds Can Be Carried Out And A Large Number Of Participants Can Be Trained.
4. As The Test Results Have Shown, The Level Of Knowledge Has Doubled, Therefore, Distance Learning Is Effective In Continuing Professional Education.

**СПИСОК ЛИТЕРАТУРЫ**

1. [Http://Obrazovanie-Ufa.Ru/Vuz/ Достоинства И Недостатки Дистанционного Обучения//](http://Obrazovanie-Ufa.Ru/Vuz/) Образование: Путь К Успеху -. Уфа -. 2010 -. По Материалам Портала "Дистанционное Обучение"
2. Агранович Н.В. Дистанционное Обучение Как Современная Форма Обучения Медицинских Кадров // «Медицинский Вестник Северного Кавказа» -. 2012 -. № 2 -. С. 90-92.
3. Зайченко Т.П. Основы Дистанционного Обучения: Теоретико-Практический Базис // Учебное Пособие -. Санкт-Петербург -. Изд-Во РГПУ Им. А. И. Герцена -. 2004 -. С. 167.
4. Сагиндыкова А. С. Актуальность Дистанционного Образования // Молодой Ученый -. 2015 -. № 20 (100) -. С. 495-498.
5. Касьяненко Е.Ф. Дистанционное И Мобильное Обучение В Медицинских Вузах // Проблемы И Перспективы Санкт-Петербург -. 2019 -. С.529-532.